

Invention disclosure submission

Complete all sections and send to the Nortel Patent Dept at:
 OTTAWA, Canada: Patent Dept., 0265, NTPAT
 or HARLOW, UK: Patent Dept., HAL05
 or RICHARDSON, USA: Patent Dept. Mail Stop C-0419, RICH1

No. ID1048

Rec'd. 03 Jul 98

Attny/Agent *SPD ER*
NORTEL
 NORTHERN TELECOM
Invention Title**SDH/SONET Virtual Concatenation**

Correspondence will be directed to the first-named inventor only.

(1) Full legal name of first inventor (include middle initial)

Russell John Paul

Name usually known as:**Global ID**
3200755**Residence and post office address if different**21 The Orchards
Sawbridgeworth
Herts
CM21 9BB**Phone**
742-2631**Location**
HAL02**Department**
GI41**Mailstop****Occupation****Fax****Signature****Date****Citizen of**
UK**(2) Name of supervisor or divisional head**

David Barniskill

(5) Project Number

7539

Name of AVP Reported to:

Peter Schuddeboom

(6) Indicate your LOB

Broadband Networks

Signature**Date**

If Advanced Technology, please indicate which group.
 Please Make a Selection

Technical field**(3) Date of first written description****Key words for searching**

SDH, SONET, Virtual Concatenation

Has this invention been discussed with others? If so, please complete.**Outside Nortel** To Whom? Robert Franks

When? 2/7/98

Was there a Non-Disclosure Agreement in place? Assume so!**Inside Nortel** To Whom? Ewan Bewley

When? 3/7/98

Are you aware of any imminent future disclosures? Please detail.

I expect this work to be presented to ETSI TM1 in their November meeting.

(4) Which products will use this invention?

TN1X/C/P, TN4XE, TN16XE, TN16X, TN64X and possibly in some SONET transport equipment. The ASICs to implement this are currently being developed under a fully funded programme.

(7) Is the invention relevant to a Standards activity?

yes

If so give details:

This work will be presented to ETSI TM1 in their November meeting. Following that, it will be taken to ITU-T SG15, where we expect that Lucent will want to propose a different scheme to solve the same problem.

(8) Does this Invention arise from any arrangement involving any external organization? no**Organization****Contract no.**

TECHNICAL INFORMATION

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(a) Brief description of the invention

The SDH LAN has already been described in patent submissions 0882, 0885, 0888, 0889, 0890, 0932. This new submission was previously described along with 0889 SDH LAN Mapping.

(b) What is the problem solved by the Invention?

The specific problem is to carry traffic in channels of bandwidths which are greater than that offered by standard SDH virtual containers over disparate and heterogeneous networks.

TECHNICAL INFORMATION (continued)

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(c) What other solutions have been tried and what were their shortcomings?

see previous submissions

(d) What are the specific elements or steps that solved the problem. Please provide high level details.

These have already been explained to Ewan Bewley (Harlow patents office) and Robert Franks (external patent attorney).

(e) What is the commercial value of the invention to Nortel and Nortel's major competitors? (see guidelines)

This idea is already in development and on the POR for roll out on several products during 1998.

Lucent and Alcatel will try to beat us to market with something similar.

Additional Inventors / Contractor Information

Note: ID1048

(1) Full legal name of first inventor (include middle initial)				Residence address (and post office address if different)	
Russell John Paul Global ID 3200755				21 The Orchards Sawbridgeworth Herts	
Phone 742-2631	Location HAL02	Department GI41	Mailstop	Occupation	Fax
Signature		Date		Citizen of UK	
Contractor Information				Any other agreement(s) with your agency. Please Make a Selection Please specify	
Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection					

(1) Full legal name of 2nd inventor (include middle initial)				Residence address (and post office address if different)	
Goodman Mick 2712099					
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information				Any other agreement(s) with your agency. Please Make a Selection Please specify	
Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection					

(1) Full legal name of 3rd inventor (include middle initial)				Residence address (and post office address if different)	
murton chris 1071844					
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information				Any other agreement(s) with your agency. Please Make a Selection Please specify	
Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection					

(1) Full legal name of 4th inventor (include middle initial)				Residence address (and post office address if different)	
Ramsden Chris 6161905					
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information				Any other agreement(s) with your agency. Please specify Please Make a Selection	
Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection					

Additional Inventors / Contractor Information (continued)

No. ID1048

(1) Full legal name of 5th Inventor (include middle initial): Shields Jim 3220951				Residence address (and post office address if different)	
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection				Any other agreement(s) with your agency. Please Make a Selection Please specify	

(1) Full legal name of 6th inventor (include middle initial):				Residence address (and post office address if different)	
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection				Any other agreement(s) with your agency. Please Make a Selection Please specify	

(1) Full legal name of 7th inventor (include middle initial):				Residence address (and post office address if different)	
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection				Any other agreement(s) with your agency. Please Make a Selection Please specify	

(1) Full legal name of 8th inventor (include middle initial):				Residence address (and post office address if different)	
Phone	Location	Department	Mailstop	Occupation	Fax
Signature		Date		Citizen of	
Contractor Information Agency worked for Non disclosure agreement with Nortel Please Make a Selection Exhibit B of the Master Services agreement with your agency Please Make a Selection				Any other agreement(s) with your agency. Please Make a Selection Please specify	